



- Environmentally more acceptablepremium power
- Reduce landfill and runoff into waterways
- Reduce release of greenhouse gases from landfill
- Potential for reduced fuel and hence operating costs
- Potential for fertilizer from ash



Primenergy



- Boiler Pulverized coal-fired, 63 MWe,
 built in 1964, Kentucky coal, 1300 psi/
 955 °F steam
- Fuel Poultry liter (droppings and biomass bedding)
- Gasifier Primenergy KC-18, air blown, fixed-bed, updraft counterflow
- Product gas nominally 100 Btu/cu ft, 1000-1600°F

WESTERNIK KENTUCKY ENERGY

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Primenergy Conversion V.L.

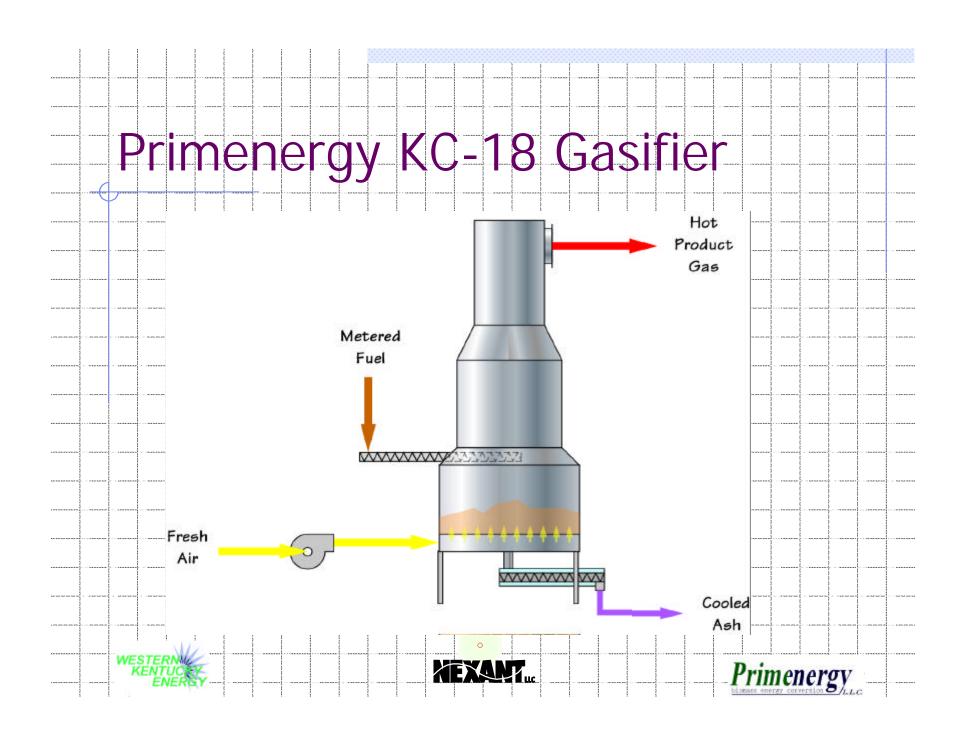




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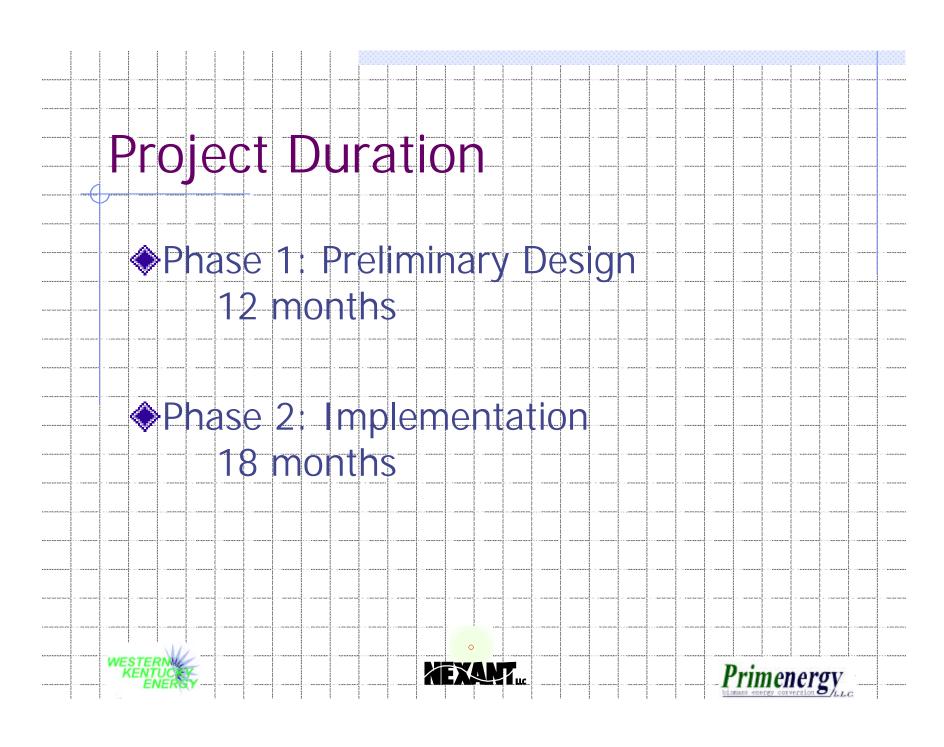


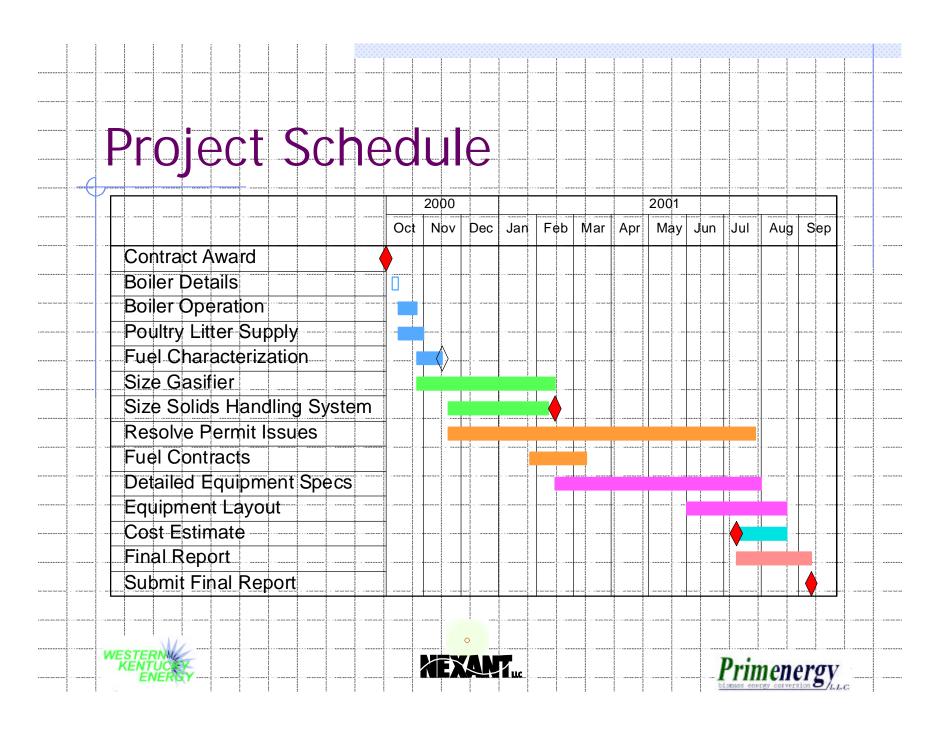
- Phase 1 Feasibility study
 - Confirm fuel availability and characterization
 - Evaluate integration of gasifier and boiler
 - Determine optimum gasifier size
 - Prepare preliminary design and plant layout
 - Cost estimate and plant economics
- Phase 2 Final design, construction, and operation

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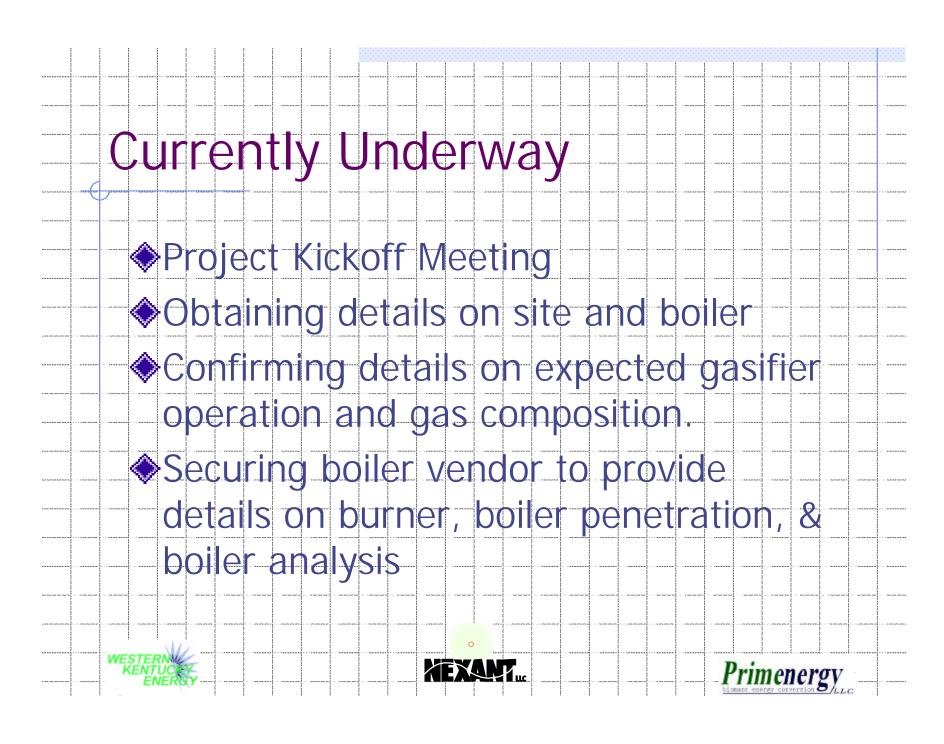
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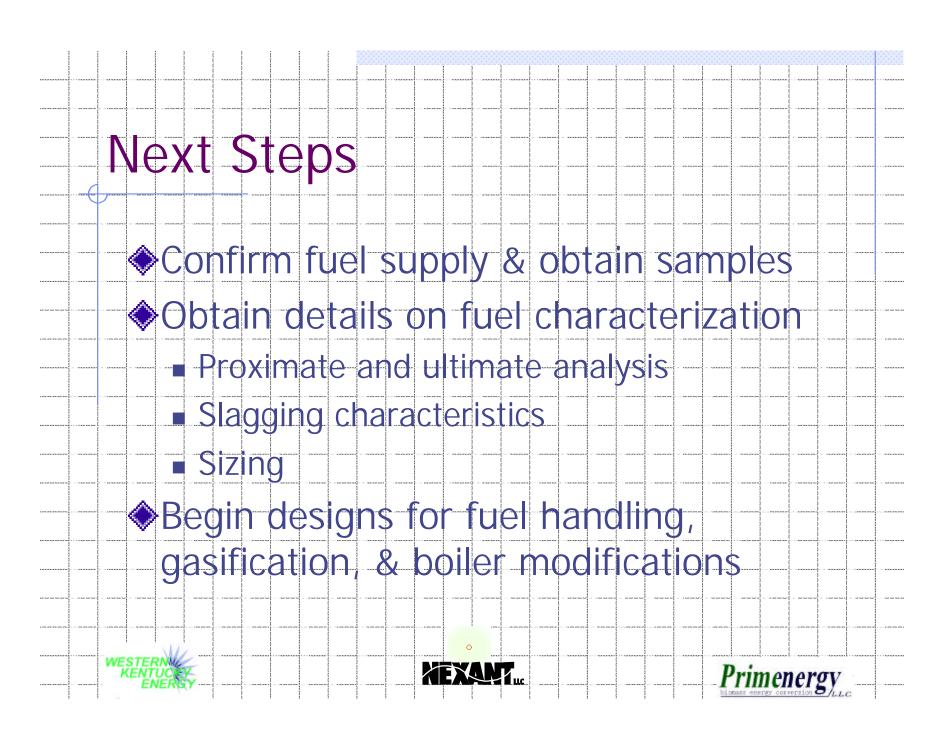


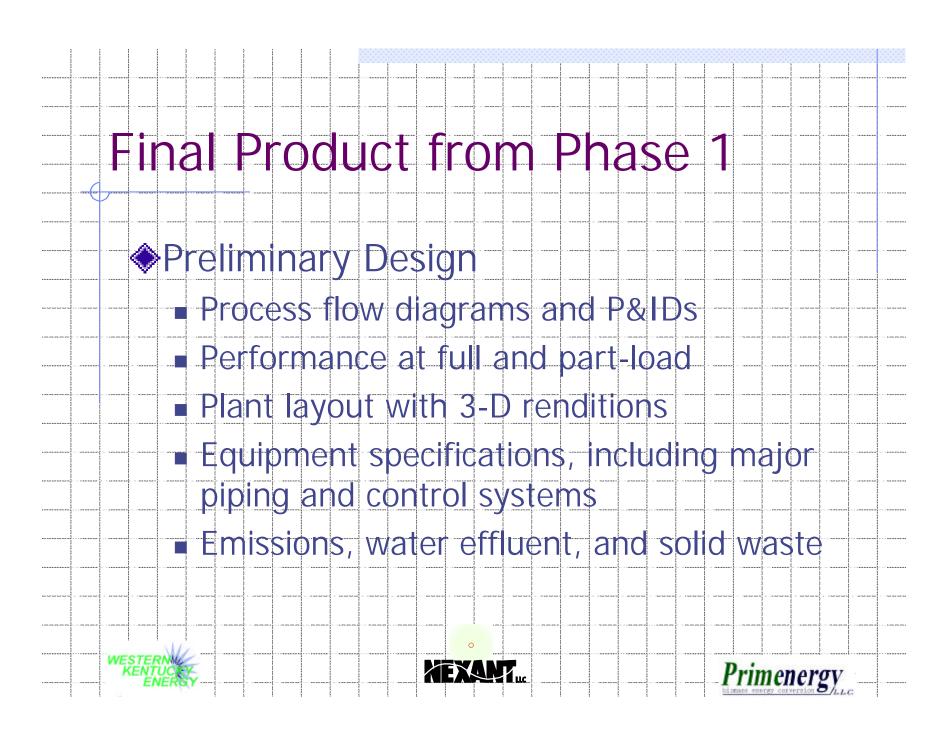


Project Milestones Contract Award Final Design Basis System Design Basis for Cost Estimate Final Report Primenergy

Project Plan - 15 Tasks Confirm design basis Design/size equipment Market Analysis Permit Issues Capital and Operating Cost Primenergy







Final Product (cont.) Capital Cost Estimate ■ Preliminary - ±15% All but smallest equipment defined Quotes on all major items Economics Operating costs - daily and annual Overall plant return on investment Primenergy